



The Best CNC Engraver Manufacturer

**3~5 Axes Precision CNC Engraver**



**Kunshiman Precision Tec Co., Ltd**



The Best CNC Engraver Manufacturer

**Economic! Durable! Precise!**

**Your Best Choice For High-Speed Machining!**

All series of KSM CNC Engraving machines are embedded with parts from Germany, Japan and Taiwan. Our R&D and Production department are set up in Taiwan.



**FC300 Meehanite Cast Iron**

**➤ High-rigidity structure ; Better performance**

The High-rigidity structure which made of Meehanite cast iron (Fc300) gives the machine great performance. (Industry Standard: FC200~250)

Our high-rigidity structure can provide better vibration damping and less mechanical resonance.

To obtain best stability and work for long hours, we use the high-precise ballscrew, linear guideway and pre-pull device in Transmission.

**➤ Easily control through the human interface**



**Nc Controller from Japan**



**Nc Controller from Germany**



**Nc Controller from Taiwan**

We have several powerful NC controllers which feature Program-preview, Graphical-simulation, The smallest control unit in 1 nano, Remote network monitoring (RS232/LAN DNC), etc.

All the features give you the more user-friendly interface.



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## High Quality Parts Enhance The Precision And The Life-time



Pneumatic Spindle from Taiwan



Built-in Spindle from Taiwan



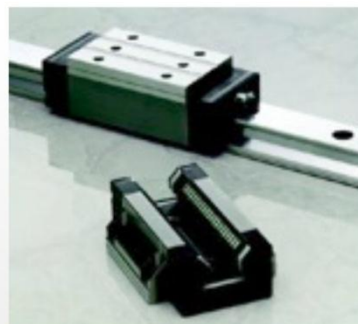
Pneumatic Spindle from Japan



High-precision Ball Screw  
from Taiwan/Japan



Limit Switch from Germany



High-precision Linear Guideway  
from Taiwan/Japan



Couplings from Germany



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## KSM K-series

# Heavy-cutting, High-speed, Precise processing, 4-axis processing, 5-axis processing.

### ➤ Fixed Double Column Structure

- The most famous brand of laser-interferometer-systems-Ranishaw is embedded in our machine for best Compensation of accuracy and precision.
- The High-rigidity structure which made of Meehanite cast iron (Fc300)
- Full Splash Guard improves dirt and noise and provides you a really safe and quite surrounding.
- Customization for your own specification is accepted.
- Better vibration damping and less mechanical resonance, especially for high-speed processing and heavy-cutting.

### ➤ Material for application

- Woods, Acrylics, Plastics, PCB, Fiberglass, Zirconia, Glass ceramic, Titanium, Copper, Aluminum, Magnesium, Iron and other metals.



#### **K3 series 3-axis processing**

Electronic component  
Lens  
3C panel  
3C out-frame

#### **K4 series 4-axis processing simultaneously**

3D processing  
Denture  
Medical appliance  
Jewelry

#### **K5 series 5-axis processing simultaneously**

Shoe module  
Denture  
Medical appliance  
Blades for fans  
Curve lens  
For Education



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## Specification

	K3-350	K4	K5
Nc Controller	LNC Controller	LNC Controller	LNC Controller
X-axis	300 mm	250 mm	330
Y-axis	350 mm	250 mm	400
Z-axis	150 mm	150 mm	400
B-axis	X	360°	240°
C-axis	X	X	360°
3-axis motor	Servo motor	X	X
4-axis motor	X	Servo motor	X
5-axis motor	X	X	Servo motor
Spindle Type	Built-in Spindle	Built-in Spindle	Built-in Spindle
Spindle Speed	60000 rpm	60000 rpm	60000 rpm
Spindle Motor	1.2 KW	1.2 KW	1.2 KW
Magazine Type	Vertical / 6 tools	Vertical / 6 tools	Vertical / 6 tools
Positional Accuracy	0.01 mm	0.01 mm	0.01 mm
Repeat Accuracy	0.008 mm	0.008 mm	0.008 mm

### K3 & K4

#### Standard Package

Full Splash Guard  
 3 Colors Alarm Light & working light  
 Cleaning Air Gun  
 Three-Axis Auto Lubrication device  
 Three-Axis Pre-pull Device  
 Spindle Cooler Device  
 Spindle Inverter System  
 MPG - Standard 4-Axis  
 Control Box Heat Exchanger  
 A.T.C. System & Tool Magazine  
 Cutting Fluid & Oil Skimmer System

#### Optional Tools

80000rpm Built-in Spindle  
 Chip Collector  
 Linear Scale  
 Mitsubishi NC Controller  
 Power regulator

### K5

#### Standard Package

Full Splash Guard  
 3 Colors Alarm Light & working light  
 Cleaning Air Gun  
 Three-Axis Auto Lubrication device  
 Three-Axis Pre-pull Device  
 Spindle Cooler Device  
 Spindle Inverter System  
 MPG - Standard 5-Axis  
 Control Box Heat Exchanger  
 A.T.C. System & Tool Magazine  
 Cutting Fluid & Oil Skimmer System

#### Optional Tools

80000rpm Built-in Spindle  
 Chip Collector  
 Linear Scale  
 Mitsubishi NC Controller  
 Power regulator





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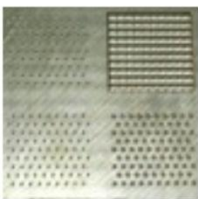
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# Application

## S-series



2.5D Copper processing



2.5D Aluminum processing



2.5D Wood processing

## M-series



2.5D Aluminum milling



2.5D Acrylics processing



2.5D Wood cutting & drilling

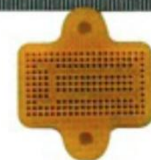
## K-series



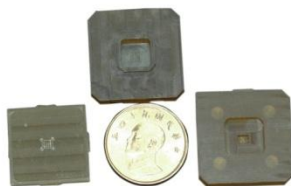
3D denture processing



3D Wood processing



Fiberglass processing



Electronic component processing